Kentucky Behavioral Telehealth Network

Connecting Behavioral Health Providers with Primary and Specialty Medical Care Using 21st Century Technology

KBTN

Imagine …..

- If all rural behavioral health care sites were connected with high quality video, fast data and voice communications.

- If all rural behavioral health care sites could be instantly connected to major Kentucky hospitals, primary care physicians, and all other Kentucky behavioral health providers

- If medical records were instantly available statewide when needed by a provider..

- If 24/7/365 access to health care was available no matter the medical specialty or location of patient.

Nationally: Rural Health Care Pilot Program (RHCPP)

- **The RHCPP was established by the FCC to help public and non-profit health care providers deploy a state or regional dedicated broadband health care network and, at the applicant's discretion, to connect that network to Internet2, and the public Internet**

- **This cost reimbursement program will support the connection of more than 6,000 public and non-profit health care providers nationwide to broadband telehealth networks**

- **69 projects were awarded funding, representing 42 states and 3 territories**

- **Total three-year award of over $417 Million**

- **Each project receives funding for up to 85% of the costs to build and deploy their network**

National Rural Health Care Pilot Project Roles

- **FCC – Federal Communications Commission**
  - ❖ **Implement Congress's directive to advance telecommunications and information services for all health care providers**
  - ❖ **Define rules and regulations pertaining to the administration of the USF, including the RHCPP**

- **HHS –** *Office of the National Coordinator for Health Information Technology*
  - ❖ **Guide the nationwide implementation of interoperable health IT**
  - ❖ **Coordinate HHS and executive branch agencies' health IT policies and programs**
  - ❖ **Use health IT to improve health care quality, efficiency and emergency response**

- **Kentucky River Community Care, Inc.**
  - ❖ **Kentucky manager of FCC $3.3 Million in RHCPP support.**
  - ❖ **Coordinate Competitive bidding and Letters of Agency**
  - ❖ **Serve as model region for KBTN development**

www.krccnet.com

Internet2 Network - Layer 1

Legend:
- Internet2 Network Optical Switching Node
- Level3 Regen Site
- Internet2 Redundant Drop/Add Site
- ESnet Drop/Add Site

INTERNET 2

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FCC says: Benefits of e-Health Network

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➢ A broadband network that connects multiple health care providers would bring the benefits of innovative telehealth and telemedicine services

➢ Telehealth applications allow patients to access critically needed medical specialists in a variety of practices, including cardiology, pediatrics, and radiology.

➢ Linking statewide and regional networks to a nationwide backbone would connect a number of government research institutions, as well as academic, public, and private health care institutions

➢ Intensive care doctors and nurses can monitor critically ill patients at multiple locations around the clock.

➢ Health care providers would also benefit from advanced applications in continuing education and research.

Kentucky Behavioral Telehealth Network Grant

KBTN

- KRCC recipient
- $3.3 million over 3 to 5 years counting 15 % match
- Pays for telecommunications circuits only.
- No end user equipment (USDA grant in process)
- Competitively bidding required
- First year planning and design

Kentucky Behavioral TeleHealth Network

- **Goal 1:** Plan a Kentucky statewide rural health care network that links regional behavioral health providers with primary medical care providers and hospitals to improve behavioral health patient access to medical care.

- **Goal 2:** Design a Kentucky statewide rural telehealth network that makes use of existing capacity, in place resources and technology combined with the best of new technologies using a design team of highly qualified consulting systems and telecommunications engineers.

- **Goal 3:** Establish a statewide telehealth network of behavioral health care providers linking them to each other, primary medical care, and specialty medical care resources through the national Internet2 network.

- **Goal 4:** Implement, train and develop policies, procedures and clinical protocols that guarantee a swift adoption of the new technology as a resource to all members of the provider network.

- **Goal 5:** Develop and implement plan for network self sufficiency and sustainability.
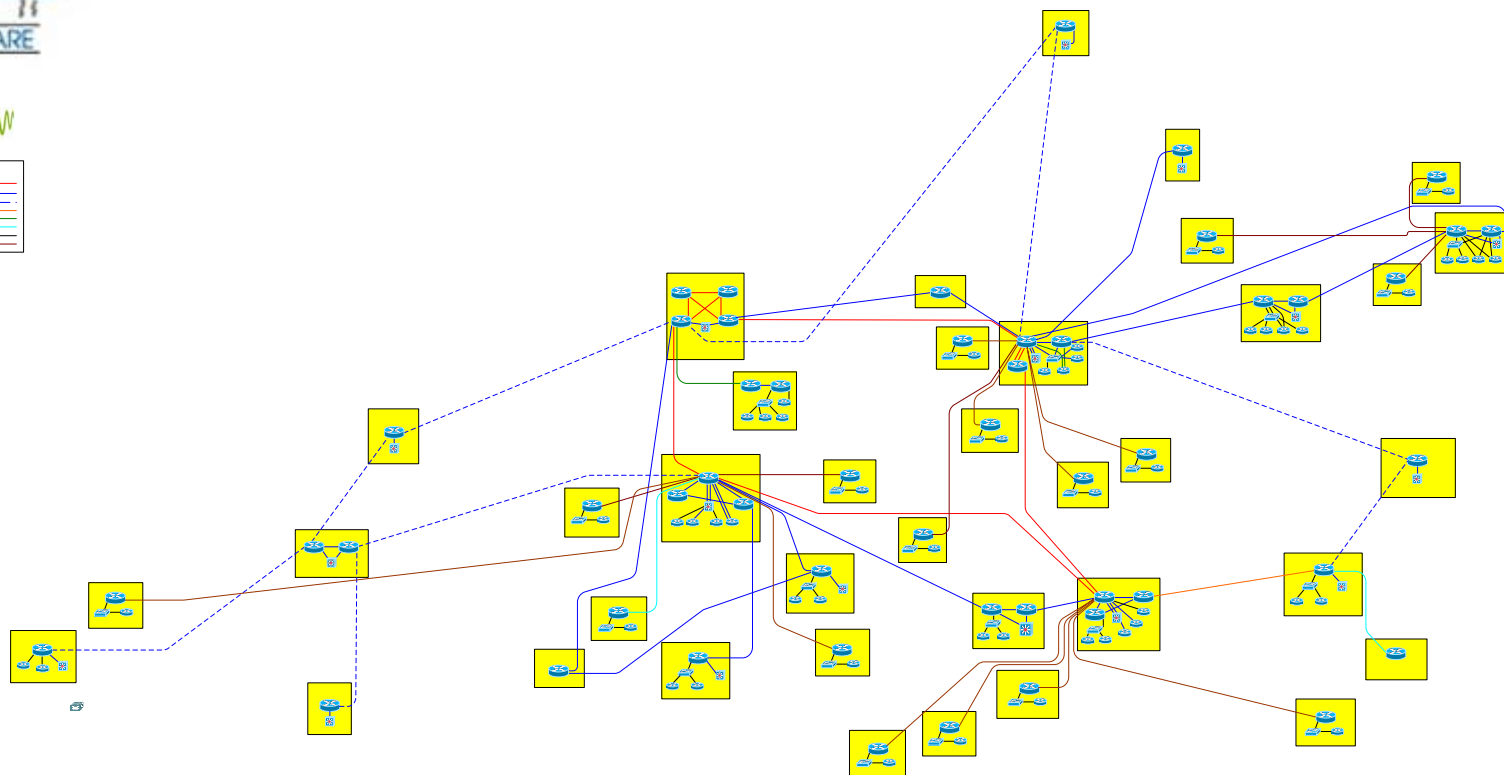
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Proposed Partners for KBTN

- **Kentucky River Community Care Inc**
- **Appalachian Regional Healthcare Hospital, Hazard**
- **Appalachian Regional Healthcare, Whitesburg,**
- **Kentucky River Medical Center - Jackson**
- **Mary Breckinridge Hospital**
- **University of Kentucky Hospital**
- **Western State Hospital**
- **Central State Hospital**
- **Chrysalis House**
- **Mountain Comprehensive Community Care**

- **U. of Louisville Medical Center**
- **University of Kentucky Center for Rural Health**
- **Cumberland River Mental Health**
- **Four Rivers Behavior Health**
- **Pennyroyal Regional Center**
- **River Valley Behavior Health**
- **Lifeskills Inc.**
- **Seven Counties Services Inc**
- **Comprehend, Inc.**
- **Pathways, Inc.**
- **Adanta**

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Network Design Issues

- **KPEN partnership?**
  - KENTUCKY Public Education Network
- **KIH2 Partnership?**
  - **Kentucky Information Highway v.2**
- **Center Rural Development?**
- **Bridges Located at KRCC Perry & Breathitt sites?**
  - **Network Operations Center**

Windstream's Kentucky Data Network

www,krccnet.com

How you can help:

KBTN

- **Support creation of network**
- **Encourage hospitals and providers to join network**
- **Pass resolution supporting KBTN**
- **Designate liaison to KBTN**
- **Include Behavioral Health in e-Health planning**

KBTN

- KRCC Website
  - http://www.krccnet.com

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- RHCPP Website
  - http://www.usac.org/rhc-pilot-program/
  - Source for public information and announcements relative to the program